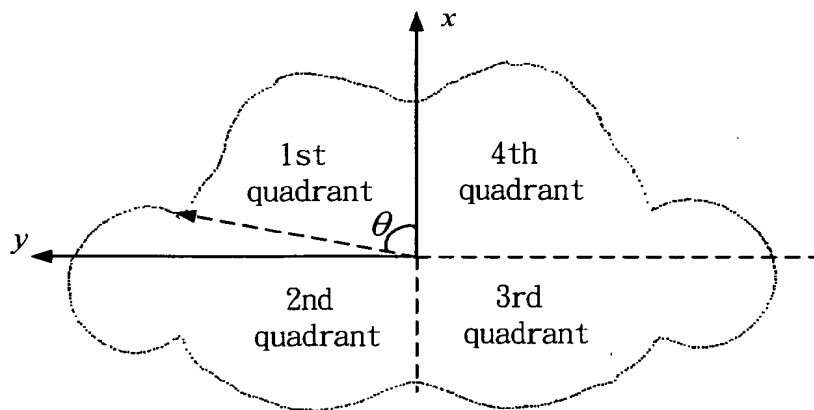


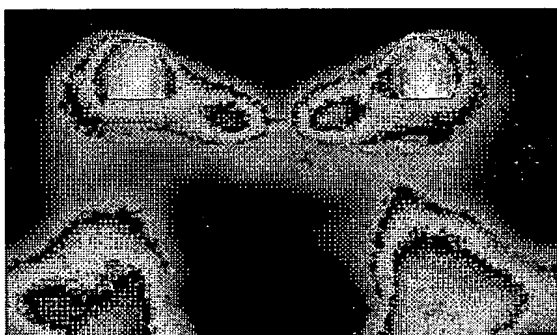
Flowchart of 3D body scanned data processing.

FIG. 1

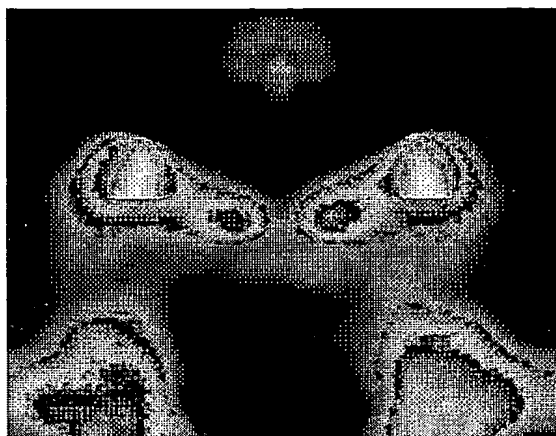


Search for the armpit by four break points.

FIG. 2



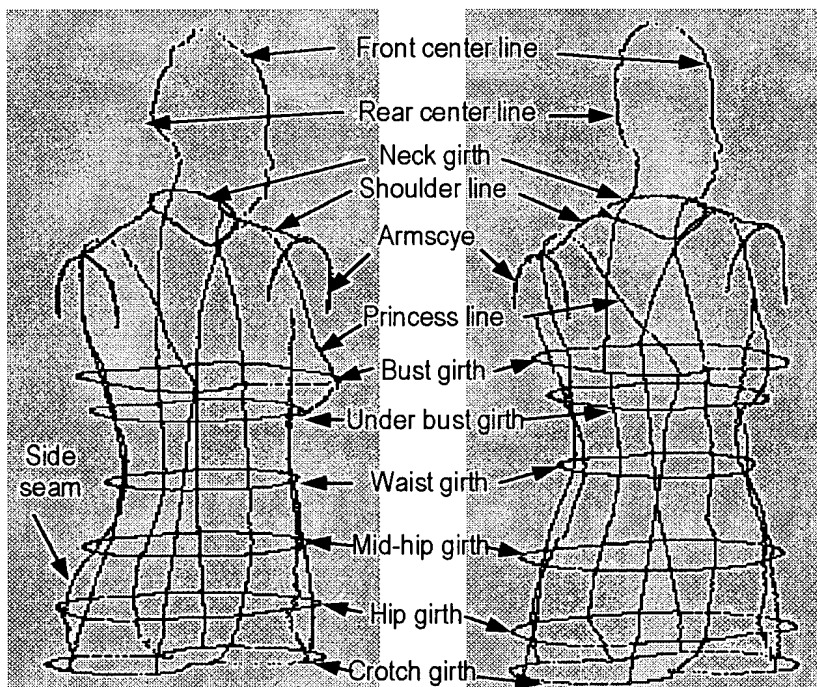
(a) Without head



(b) With head

Encoding the torso data points into range image format, after void interpolation.

FIG.3

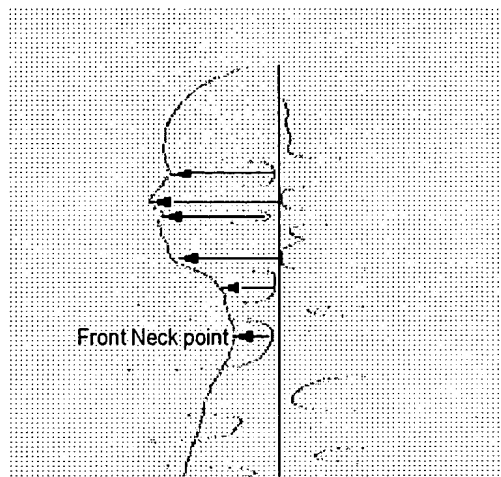


(a) Aged 45 women

(b) Aged 20 women

Body feature lines searching results.

FIG.4



The inverse of Sobel values for the x-coordinates of front centerline.

FIG.5

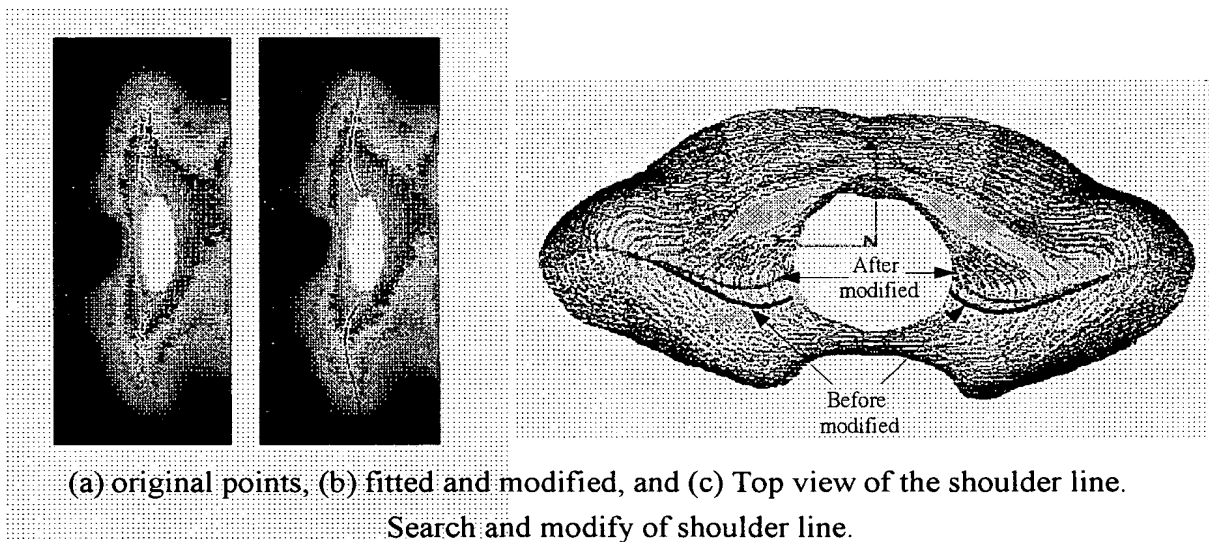
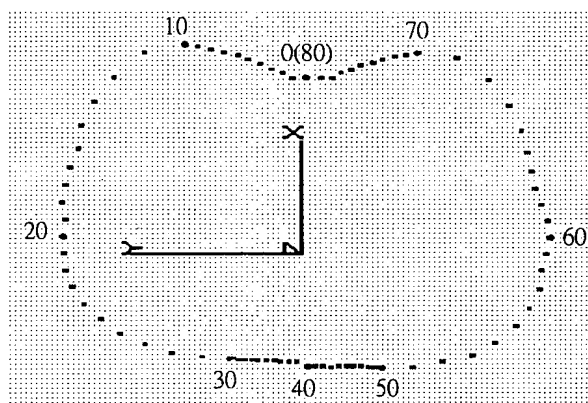
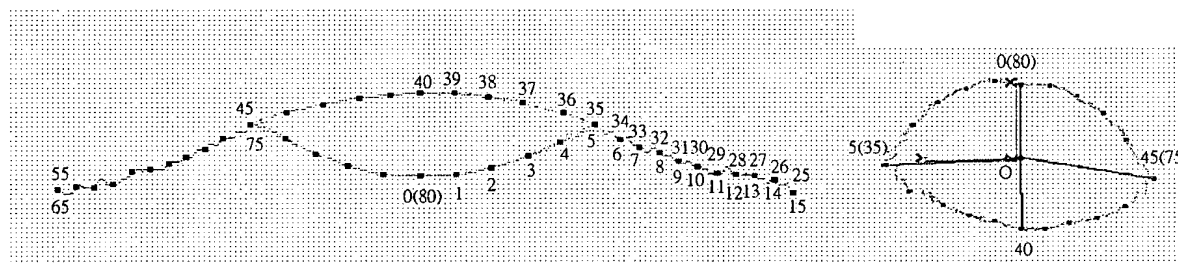


FIG.6



Data structure of a typical latitudinal line (the bust line).

FIG. 7

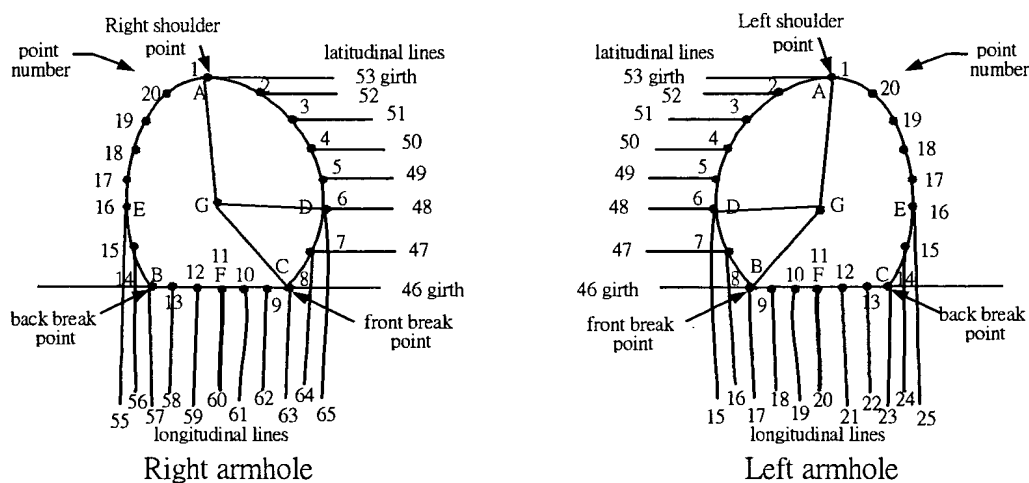


(a) front view of neck-shoulder line,

(b) top view, neck line only.

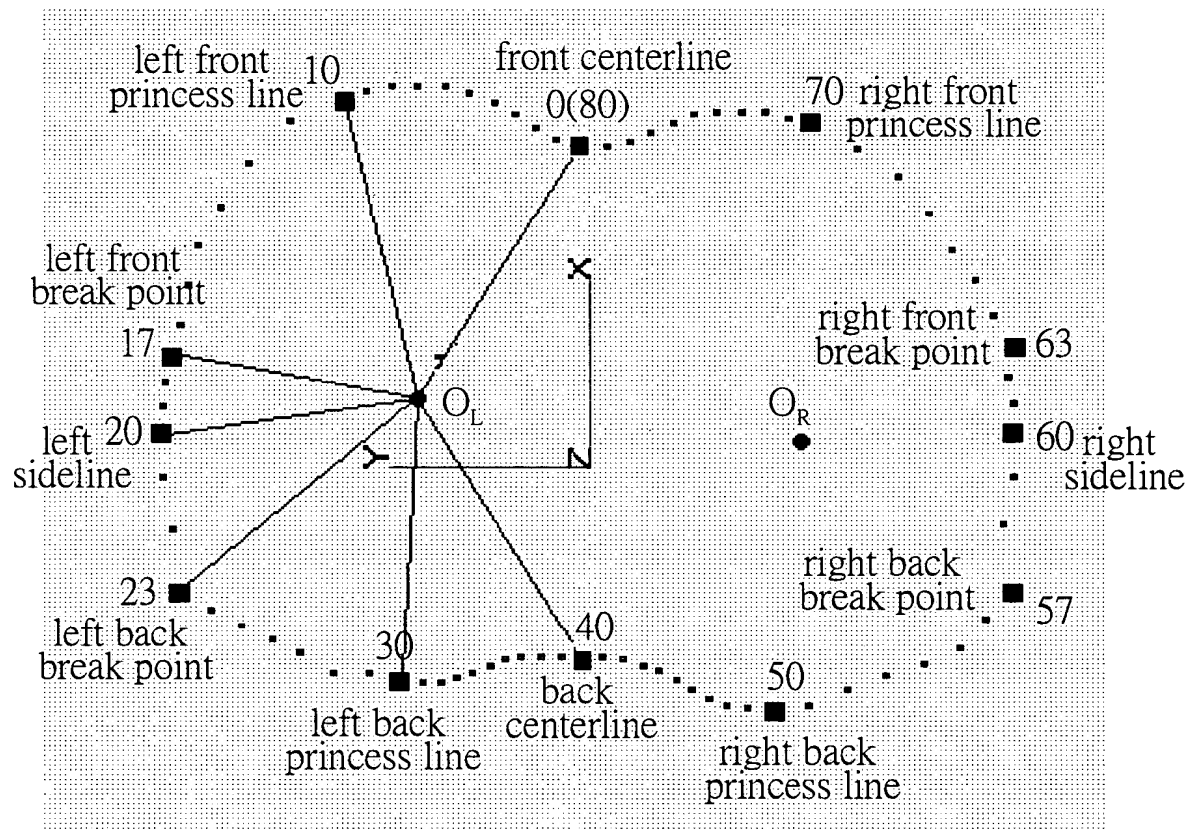
Data structure of neck-shoulder line.

FIG. 8



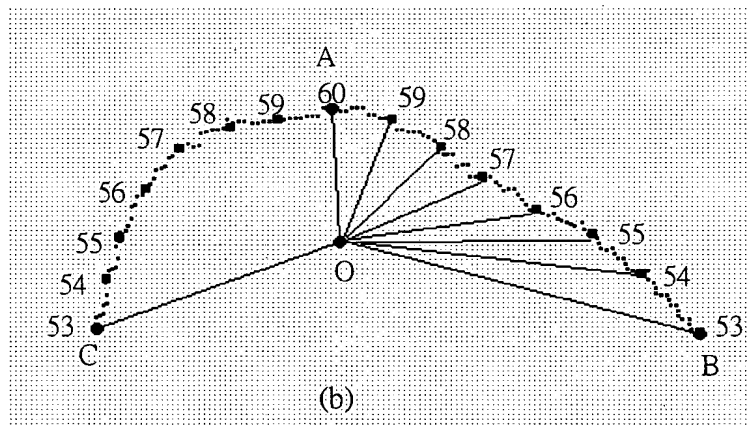
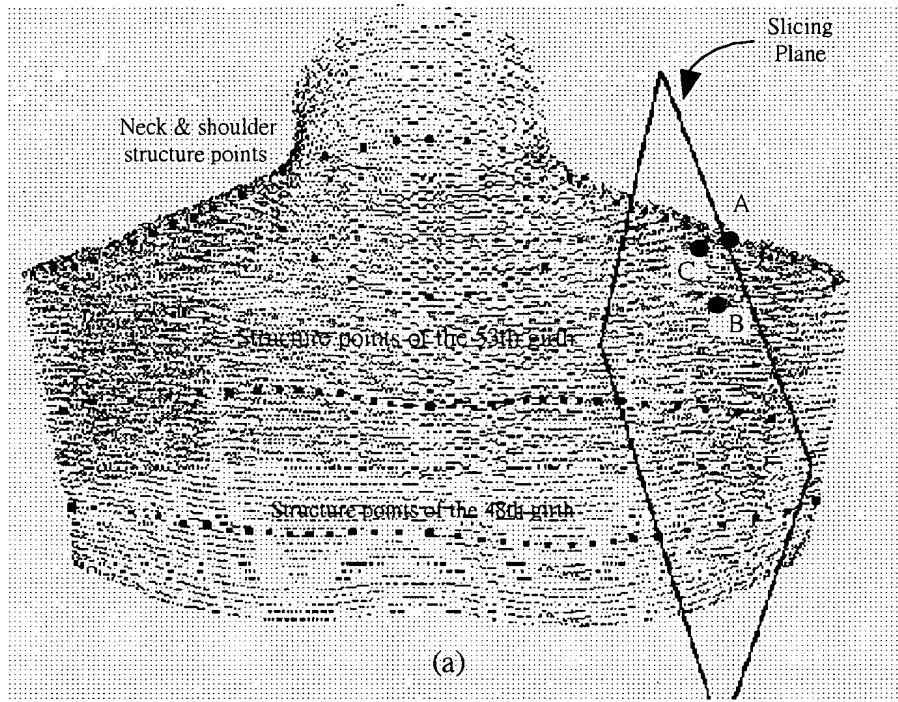
Data structure of the armhole.

FIG. 9



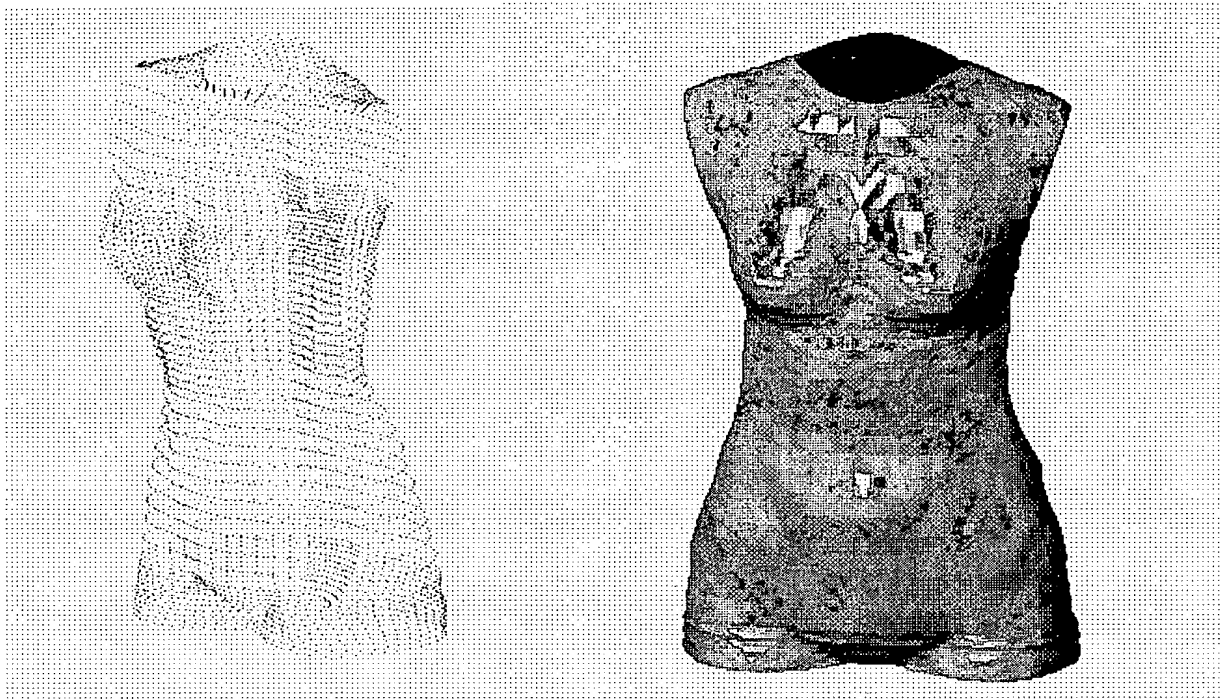
Structured points of the 46th (armpit) girth line.

FIG.10



Method to construct the structure points on the shoulder.

FIG. 11



(a) Structured data points

(b) Meshed with color rendering

The data structure of the computer manikin in 3D views.

FIG.12